

45. (Currently amended) Host cells according to claim 44, wherein ~~they~~ the host cells are ~~bacterial cells, preferably of *Escherichia coli* cells.~~

46. (Currently amended) Host cells according to claim 44, wherein ~~they~~ the host cells are cells of *E. coli* strain K12, ~~preferably MG1655 or DH5 α , and/~~ or of *E. coli* strain B.

47. (Currently amended) ~~Host~~ Prokaryotic host cells ~~according to claim 44,~~ containing a plasmid vector according to claim 41.

48. (Currently amended) ~~Use of host cells containing a recombinant plasmid expression vector according to claim 31 in the production~~ Method of producing polypeptides having at least one of uridine phosphorylase enzyme activity and ~~/or~~ purine nucleoside phosphorylase enzyme activity comprising culturing host cells containing a recombinant plasmid expression vector according to claim 31.

49. (Withdrawn; Currently amended) ~~Use of host cells containing a recombinant plasmid expression vector according to claim 31 as catalysts~~ Method of catalyzing transglycosylation reactions between a donor nucleoside and an acceptor base comprising culturing host cells containing a recombinant plasmid expression vector according to claim 31.

50. (Withdrawn; Currently amended) ~~Use~~ The method according to claim 49, wherein the acceptor base is a purine and/or pyrimidine base.

51. (Withdrawn; Currently amended) ~~Use~~ The method according to claim 50, wherein the purine and/or pyrimidine bases are selected from natural or substituted pyrimidine and purine bases; purine bases substituted at at least one of the 1, 2 and ~~/or~~ 6 positions of the purine ring; pyrimidine bases substituted at at least one of the 3 and ~~/or~~ 5 positions of the pyrimidine ring; purine, 2-azapurine, 8-azapurine, 1-deazapurine (imidazopyridine), 3-deazapurine, and 7-deazapurine.

59. (Currently amended) A method according to claim ~~57~~ 58 wherein said host bacteria cells are cells of *Escherichia coli*.

60. (Withdrawn) A fusion protein obtainable from the method according to claim 58.

61. (New) A prokaryotic host cell according to claim 44, expressing 120-1000 times higher uridine phosphorylase activity, purine nucleoside phosphorylase activity, or both, than the prokaryotic host cell not containing the plasmid.

62. (New) A prokaryotic host cell according to claim 61, wherein the host cell is an *E. coli* cell.

63. (New) A transformed prokaryotic host cell expressing 120-1000 times higher uridine phosphorylase activity, purine nucleoside phosphorylase activity, or both, than the corresponding non-transformed prokaryotic host cell, the transformed prokaryotic host cell harboring a plasmid expression vector comprising:

a) at least one gene sequence of a mesophilic bacterium coding for a polypeptide having uridine phosphorylase enzyme activity and at least one gene sequence of a mesophilic bacterium coding for a polypeptide having purine nucleoside phosphorylase enzyme activity; and

b) at least one gene sequence coding for tetracycline and/or kanamycin resistance.

64. (New) A transformed prokaryotic host cell according to claim 63, wherein the host cell is an *E. coli* cell.

65. (New) A plasmid vector according to claim 63, wherein the gene sequence coding for a polypeptide having uridine phosphorylase enzyme activity and the gene sequence coding for a polypeptide having purine nucleoside phosphorylase enzyme activity are fused together so to express a fusion protein wherein the enzymes uridine phosphorylase and purine nucleoside phosphorylase are covalently bonded together.

